

Underwater speaker LL916

The LL916 is an economical yet powerful piezoelectric underwater speaker developed, patented, and manufactured by Lubell Labs of Columbus Ohio. The LL916C and LL916H, continue to set the world record for having the widest frequency response and output level of any commercial underwater speaker made, at a price that is reasonable and affordable. Because of its rugged PVC construction and cage mounting system, the LL916 is nearly immune to damage, and may be used in test tanks, swimming pools, rivers, lakes, and oceans. The LL916 is provided with choice of audio isolation transformer box with cord (see below), allowing phone jack connection to popular commercial sound amplifiers of various power & impedance ratings.



Technical specifications:

- **Type:** Piezoelectric drive dual piston.
- **Frequency Response:** 200 Hz - 21 kHz.
- **Sound level:** 180 dB *re* 1 μ Pa @ 1 m (at 1 kHz).
- **Maximum Cable Voltage/Current:** 20 Vrms / 3A (100% duty cycle).
- **Operating depth:** 1.80 m (recommndd); 15 m maximum.
- **Finish:** Blue PVC.
- **Cable:** 8 m length 18/3 PVC (or customised).
- **Cable Termination:** 3-pin proprietary (Conxall 3182-3PG-524) mates with transformer box
- **Weight:** 7 kg in air; 1.4 kg in water.
- **Dimensions:** 23 cm diameter; 15 cm axial length; Cage: 27 cm \times 27 cm \times 20 cm.
- **Transformers:** AC102 (50 W; 32 Ω ; 40 V *rms*); AC201 (50 W; 2 Ω ; 10 V *rms*); AC202 (50 W; 8 Ω ; 20 V *rms*); AC205C (38 W; 16 Ω ; 25 V *rms*); AC203E (80 W; 8 Ω ; 25 V *rms* de 8 Ω air output and attenuator); AC211 (200 W; 10.7 Ω ; 40 V *rms*; 8 Ω air output and attenuator).
- **Warranty:** 5 years.